

The APRS logo is displayed in a stylized, glowing blue font with a registered trademark symbol. It is positioned in the upper left corner of the advertisement, partially overlapping a computer monitor and keyboard. The background of the entire advertisement features a collage of images: a computer monitor showing the APRS logo, a keyboard, a satellite dish, a map, and a computer mouse.

KPC-3 PLUSTM

Packet Communicator

The Kantronics KPC-3 Plus is engineered for dependable and versatile digital communications. This unit reflects many years of Kantronics experience and is built with an eye toward emerging applications. The KPC-3 Plus can fill a variety of roles. In use around the world, Kantronics Packet Communicators set the standard by which others are measured!



- "NEWUSER" mode provides a quick start for packet newcomers
- Large capacity internal mailbox and mail forwarding feature.
- GPS operation mode allows use with APRS® or other geolocation software
- NEW Remote Control and telemetry functions with two A/D inputs and two control line outputs
- NEW and faster HC11 Motorola® central processor
- NEW digital audio drive control. Set from keyboard or by remote control
- Low current requirements
- 9 volt battery power capability
- Network node functions with standard "KA" Node or optional K-Net™ firmware
- Optional K-Net node network firmware retains regular TNC functions
- BBS, KISS, XKISS, HOST, TERMINAL, GPS and MODEM operating modes
- Upgradeable as new firmware is released
- "Online" HELP feature
- 128k memory standard; 512k optional
- Comes with data connector, data wire, coaxial power plug, detailed manual, software
- Use with base, mobile or hand-held radios

Kantronics

1202 E. 23rd St., Lawrence, KS 66046
tel: 785-842-7745 • fax: 785-842-2031
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Kantronics



KPC-3 Plus
GPS tracker unit

KPC-3 PLUSTM Packet Communicator

The Kantronics KPC-3 Plus is a versatile Packet Communicator engineered for years of dependable performance. Kantronics has been a pioneer in digital communications, taking care to listen to the suggestions of digital operators, like you. The result is a data unit that has become the standard by which others are measured.

Specifications - Kantronics KPC-3 Plus Data Communicator

Dimensions (HWD)	0.8" x 5.2" x 5.2" or 21mm x 133 mm x 133 mm (w/o projections)
Weight	11 oz or .32 kg
Power Requirements	6 VDC ~ 25 VDC, less than 30 mA (LEDs on, unit active) 6 VDC ~ 25 VDC, less than 15 mA (LEDs off, unit inactive)
Plug	Coaxial, center pin positive 2.1 mm
Internal	Circuit Board accommodates user installed 9V battery connector
Connection Ports	DB-9 female (radio); DB-25 female (computer/data terminal)
Watchdog timer	2.5 minutes (approx)
External Carrier Detect	Pulldown to ground
A/D Converter	Two inputs; 0 ~ 5VDC 8-bit accuracy
Data Rate	1200 bps (recommended); 300, 400, 600
PTT Output	Open drain, +50 VDC max, 200 mA max
Audio Output	Continuously adjustable 1 mv p-p ~ 4 v p-p
Output Impedance	600Ω AC coupled
Modulation	1200 bps FSK full duplex CCITT V.23 1300 Hz/2100 Hz
Audio Input	
Sensitivity	5mv p-p
Dynamic Range	70dB
Input Impedance	Unbalanced, 10K Ω 600Ω with Jumper J3 installed
Max input voltage	±12VDC; 35V p-p sinusoidal
Operating Modes	Packet, WeFax, KISS, XKISS, HOST, GPS, MODEM
LED Indicators	Power, Xmit, Rcv, Connected, Status, Mail (user option on/off)
Remote Control Access	All controller functions, user defined password
External Reset	Pulldown to ground
Operating Protocols	AX.25 Levels 1 and 2 (user selectable)
Compliance	FCC Class B; Europe - CE Conformity

Some KPC-3 Plus Applications Include:

- "Keyboard to keyboard" communications
- Digipeater
- Personal Mail Box
- Local area node
- Remote control devices
- Remote access of telemetry
- Network node operation (requires optional K-NetTM firmware)
- Multi frequency "node stacking" capability (with K-NetTM firmware)
- BBS operations and message forwarding
- GPS positioning transmitting and tracking (NMEA-0183 data required)
- Data storage and retrieval
- EMWIN Weather Information (additional software required)

You can carry a KPC-3 Plus into the field as a GPS mobile "tracker" or as a mobile data terminal. Its flexible power requirements (6 ~ 25 VDC) allow for maximum versatility. You can achieve many hours of use by installing a 9 volt battery inside the KPC-3 Plus. Battery life can be extended by disabling the LED displays through a simple keyboard command.

A Quick Reference Guide To Kantronics Data Controllers

	High Speed	Dual Port	Packet	HF and VHF	Paging Monitor	GPS Ops	APRS [®] Ops	K-Net capable	9V batt option
KPC-3 Plus			Yes			Yes	Yes	Yes	Yes
KPC-9612 Plus	Yes	Yes	Yes	Yes (option)	Yes	Yes	Yes	Yes	
KAM Plus		Yes	Yes	Yes		Yes	Yes		
KAM 98			Yes			Yes	Yes		

Specifications subject to change without notice or obligation. APRS[®] is a registered trademark of Bob Bruninga, WB4APR. All trademarks referred to herein remain the property of their respective owners.

AUTHORIZED DEALER

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APRS

KPC-3 PLUS™

Packet Communicator

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KPC-3 PLUSTM Packet Communicator

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KPC-9612 Plus	Yes	Yes	Yes	Yes (option)	Yes	Yes	Yes	Yes	
KAM Plus		Yes	Yes	Yes		Yes	Yes		
KAM 98			Yes			Yes	Yes		

KPC-3 Plus Options:

- K-NetTM Networking Firmware
- 120VAC to 12 VDC power cube
- 512k memory expansion chip
- Clock (memory) chip
- Hardware Single Port (HSP) cable
- PacTerm '98TM program for Windows 95[®]

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